

GE Healthcare



Datex-Ohmeda ADU Carestation®

An integrated solution for quality care



Innovative approach to anesthesia delivery

The Datex-Ohmeda Anesthesia Delivery Unit ADU Carestation® is an innovative approach to anesthesia delivery, which utilizes electronic control for both gas delivery and vaporization. This enables full benefit of the automatic data capture of care information management and minimizes manual documentation.

- The intuitive Datex-Ohmeda user interface is common throughout the three major components of the ADU Carestation – on the anesthesia delivery unit, the monitor and the anesthesia record keeper.
- Data integration allows you to configure the data on full color screens – anesthesia delivery settings on one display and patient monitored values on the other. An additional display is available for integrated anesthesia record.
- The ADU Carestation can be linked, through the Datex-Ohmeda Anesthesia Monitor, to a network of other carestations and allows interface with the hospital-wide information systems.
- Multiple product options and software-driven technology helps enable future upgrades of the system to suit your preferences.

Integration of anesthesia delivery

Traditionally, integration has meant only mechanical compatibility but with the ADU Carestation you can achieve much more.

- Uniquely combines advanced ventilation features, gas delivery and agent vaporizing with patient monitoring and information management to form an integrated anesthesia carestation.

Electronically controlled
anesthesia delivery,
a total anesthesia carestation





A system you can build on

Although fully integrated, the ADU Carestation can be expanded according to your needs. You can update your system with new features and add patient monitoring parameters and information management solutions at your own pace.

You can physically configure the ADU Carestation to suit your work environment. Install the monitors and displays in the way you prefer. Use the patient circuit and accessories of your choice.

Broad range of patients

With the additional data provided by our Patient Spirometry™ and gas monitoring, the ADU Carestation can provide a broad range of patient ventilation to help meet the needs of even the most demanding applications, including spontaneous breathing:

- Pressure Supported Ventilation (PSV) helps to decrease the patient's work of breathing and is able to be used with most LMAS. PSV sustains or enhances the patient's tidal volume and helps to assist in maintaining normal etCO₂.
- Pressure controlled ventilation with decelerating, inspiratory flow.
- Accurate tidal volumes down to 20 mL compensate for circuit compliance and fresh gas flow.
- Patient-triggered SIMV has user selectable sensitivity and trigger window, with triggered breaths differentiated in a real-time pressure curve.

Ease of use

The ADU is designed for ease of use. The turn-and-press ComWheel™ control and drop down menus are common to all Datex-Ohmeda Anesthesia System components.

- Standard flow knobs help provide familiar fresh gas delivery.
- The visual, multibreath, rising bellows help provide confirmation-of-breathing circuit integrity – a key safety feature.
- Ease of use is based on the straightforward user interface and centralized, logical display of data.

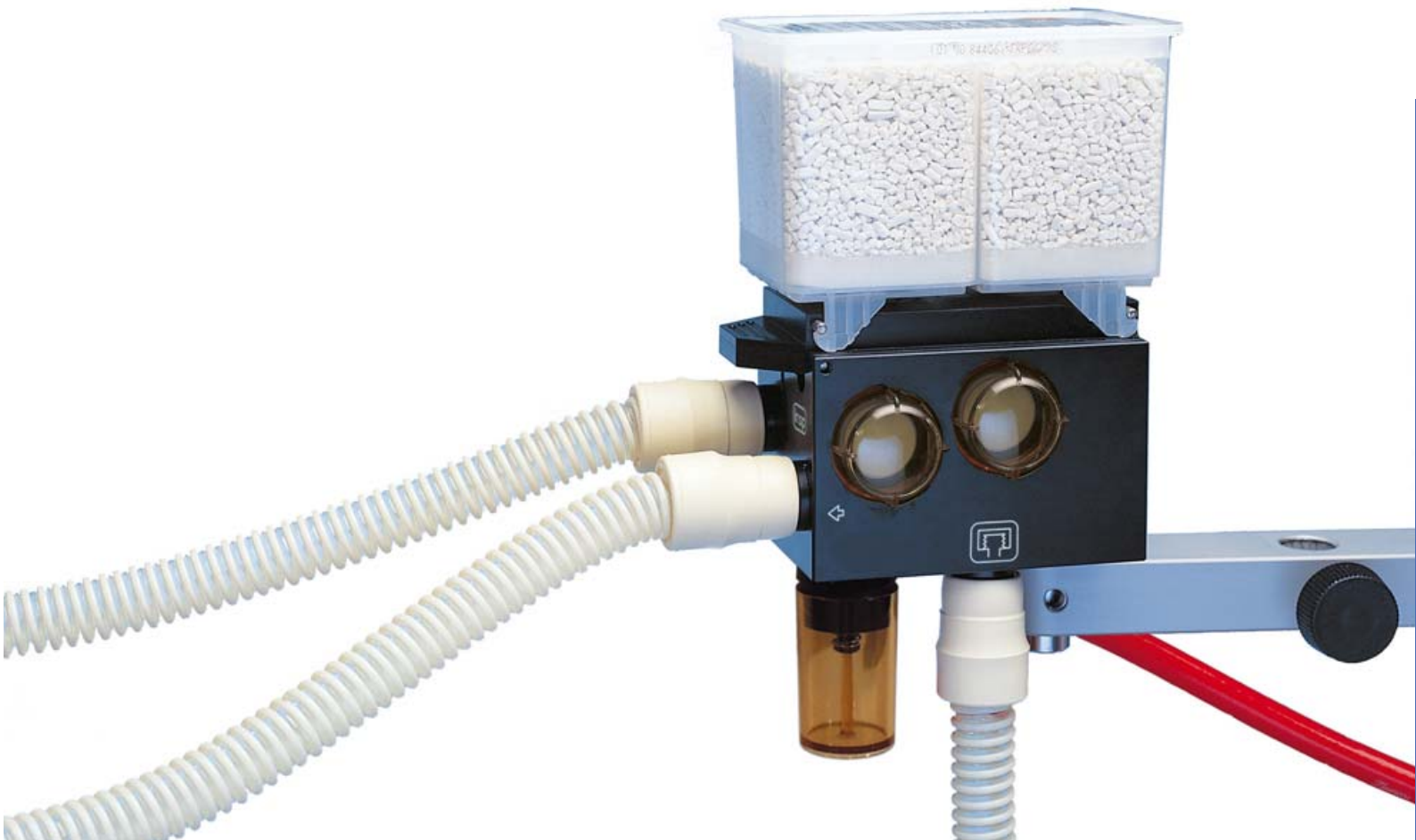
The ADU Carestation can be fully integrated to the Datex-Ohmeda Anesthesia Monitor, which uniquely combines hemodynamic, respiration and ventilation, and relaxation monitoring on a single display.



Compact Block II

The Compact Block™ II provides a versatile compact breathing circuit solution – compatible with steam autoclaving and features a built-in water retainer.

- Built-in vertical inspiratory and expirator valves help lower resistance to breathing.
- Compact reusable or disposable canister mounted on top of the block for easy visibility.
- The automatic by-pass valve on the compact patient circuit allows fast changing of the absorbent during an operation without disturbing the gas balance in the circuit or causing a leak.
- Easy, no tools disassembly for cleaning and maintenance.
- Delivers fresh gas directly into the inspiratory limb of the circuit. This helps ensure undiluted delivery of fresh gas to the patient's lungs, helps reduce drying of the soda lime, promotes optimum gas utilization and faster response to changes in fresh gas settings.



Total cost management: low cost of ownership, improved processes



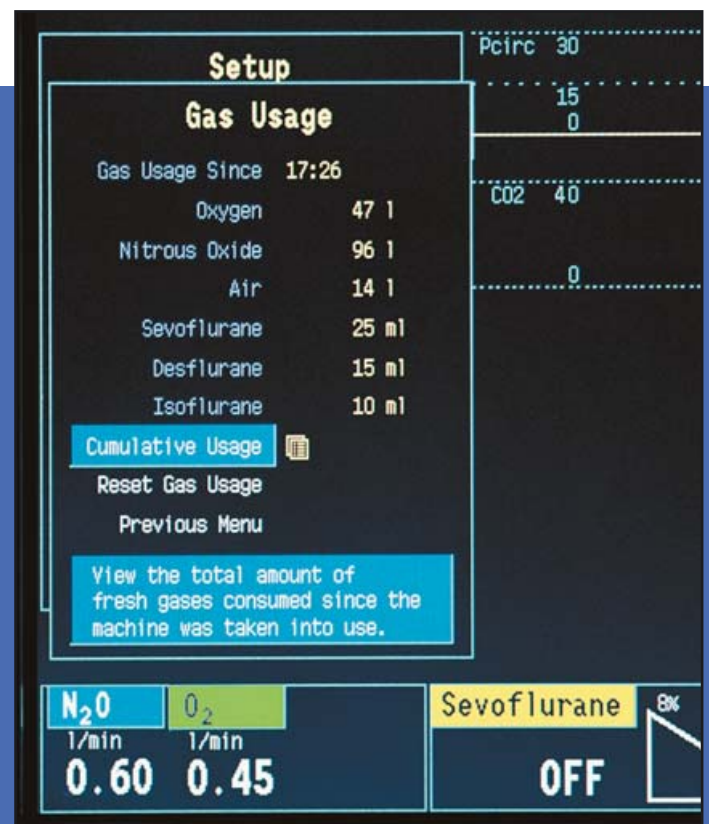
Lightweight and portable Aladin™ Cassettes have no restrictions for tilting during storage or handling.

The innovative service methods and process development tools designed into the ADU Carestation help minimize life cycle costs. Multiple product options and a software-driven platform help enable future upgrading of the system as your requirements grow.

Machine downtime is minimized by a professional service network using advanced tools and methods. The virtually maintenance-free Aladin Cassettes and the availability of reusable D-lite™ gas and flow sensors can help lower your service costs. The intelligent ADU service menu contains ventilator, vaporizer and gas mixer self-diagnostics information. With the ADU Service Software, this information can be extracted for further analysis.

Data Repository

Accurate gas delivery with complete gas and volume monitoring are desirable tools for the practice of low flow anesthesia. Build the information management solution of your choice either with Centricity™ Anesthesia and Deio system or by interfacing with other information system vendors.



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